

1337 S. 46th Street Building 201 Richmond, CA 94804

Date: 2/13/2012

Subject: Analytical Testing Results - Project R33911

SDG: 12038C

From: Brenda Bettencourt, Director

EPA Region 9 Laboratory

MTS-2

To: Richard Fetzer

US EPA Region 3, Eastern Response Branch

3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Dissolved Hydrocarbon Gases by GC

DIM0063133 DIM0063154



1337 S. 46th Street, Building 201, Richmond, CA 94804 Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard FetzerUS EPA Region 3, Eastern Response BranchSDG: 12038C

 Project Number:
 R33911
 100 Gypsum Road
 Reported:
 02/13/12 15:51

Project: Dimock Residential Groundwater Stroudsburg PA, 18360

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
EB02	1202017-01	Water	02/05/12 15:00	02/07/12 11:10
HW45	1202017-02	Water	02/06/12 10:28	02/07/12 11:10
HW45-P	1202017-03	Water	02/06/12 11:06	02/07/12 11:10
TB24	1202017-04	Water	02/06/12 07:10	02/07/12 11:10
HW43	1202017-05	Water	02/06/12 12:06	02/07/12 11:10
HW43-P	1202017-06	Water	02/06/12 12:19	02/07/12 11:10
TB23	1202017-07	Water	02/06/12 07:05	02/07/12 11:10

SDG ID 12038C

Small amounts of methane were detected in the method blanks, field blanks and trip blanks. Reported methane values less than or equal to 5 ug/L are flagged as estimates due to possible contamination.

Work Order(s)

1202017

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DIM0063133 DIM0063155



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Sample Results

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Analyte		Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method	
Lab ID:	1202017-01							Wat	er - Sampl	ed: 02/05/12 15:0	
Sample ID:	EB02								Dissolved	d Gases by RSK-17	
Methane			0.9	B1, C1, J	1.2	ug/L	B2B0032	02/08/12		RSK-175/SOP325	
Ethane			ND	U	1.2	n .	"	"	"	RSK-175/SOP325	
Ethene			ND	U	1.1	"	11	n	"	RSK-175/SOP325	
Surrogate: Ace	tylene			118 %	66.4-153%		"	"	"		
Lab ID:	1202017-02							Wat	er - Sampl	ed: 02/06/12 10:28	
Sample ID:	HW45								Dissolved	d Gases by RSK-175	
Methane			1.0	B1, C1, J	1.2	ug/L	B2B0032	02/08/12	02/08/12	RSK-175/SOP325	
Ethane			ND	U	1.2	п	н	n .	"	RSK-175/SOP325	
Ethene			NE	U	1.1	"	п	"	"	RSK-175/SOP325	
Surrogate: Ace	tylene			116 %	66.4-153%		"	"	"		
Lab ID:	1202017-03							Water - Sampled: 02/06/12 11:0			
Sample ID:	HW45-P		0.0	D1 C1 I	1.2	/T	D2D0022	02/08/12		d Gases by RSK-17:	
Methane Ethane			0.9		1.2	ug/L "	B2B0032	02/08/12	02/08/12	RSK-175/SOP325 RSK-175/SOP325	
			NE		1.2	"	,,		,,		
Ethene			ND	U	1.1	"	"	"	"	RSK-175/SOP325	
Surrogate: Ace	•			116 %	66.4-153%		"	"	"		
Lab ID:	1202017-04							Wat	er - Sampl	ed: 02/06/12 07:10	
Sample ID: Methane	TB24		0.8	B1, C1, J	1.2	ug/L	B2B0032	02/08/12		RSK-175/SOP325	
Ethane			ND		1.2	ug/L	11	"	"	RSK-175/SOP325	
Ethene				U		11	,,	"	,,	RSK-175/SOP325	
Suitene			NL	O	1.1					KbK-175/bOF 325	
Surrogate: Acetylene			115 %	66.4-153%		"	"	"			
Lab ID:	1202017-05							Wat	er - Sampl	ed: 02/06/12 12:00	
Sample ID:	HW43		0.0	D1 C1 I	1.2	/T	D2D0022	02/09/12		Gases by RSK-175	
Methane Ethane			0.9 ND		1.2	ug/L	B2B0032	02/08/12	02/08/12	RSK-175/SOP325 RSK-175/SOP325	
Ethene			NE NE		1.2 1.1	n	п	n	"	RSK-175/SOP325	
			_ 1.20				"	"	"		
Surrogate: Ace	tylene 1202017-06			117 %	66.4-153%					-1. 02/0 <i>C</i> /12 12 1	
Lab ID: Sample ID:	1202017-06 HW43-P							wat		ed: 02/06/12 12:19	
Methane	1111 43-f		0.9	B1, C1, J	1.2	ug/L	B2B0032	02/08/12		d Gases by RSK-175 RSK-175/SOP325	
Ethane				U	1.2	"	"	"	"	RSK-175/SOP325	
Ethene				U	1.1	n.	п	"	"	RSK-175/SOP325	
Surrogate: Ace	tulana			117 %	66.4-153%		"	"	"		
mirogue. Ace	iyiciic			11//0	00.7-13370						

Lab ID: 1202017-07 Water - Sampled: 02/06/12 07:05

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Sample Results

Analyte		Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Ba	tch	Prepared	Analyzed	Method
Lab ID:	1202017-07								Wat	er - Sampl	ed: 02/06/12 07:05
Sample ID:	TB23									Dissolved	l Gases by RSK-175
Methane			0.9	B1, C1, J	1.2	ug/L	B2F	30032	02/08/12	02/09/12	RSK-175/SOP325
Ethane			ND	U	1.2	n		n	"	n	RSK-175/SOP325
Ethene			ND	U	1.1	"		n	"	n	RSK-175/SOP325
Surrogate: Acety	rlene			111 %	66.4-153%			"	"	"	
Quality Co	ontrol										
Analyte		Result		Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD Limit
Batch B2B0032 Blank (B2B0032	- RSK175 - Dissolved	d HC Gases						:	Dissolved Ga	-	& Analyzed: 02/08/12 -175 - Quality Contro
Methane	2-BLKI)	0.9		C1, J	1.1	2 ug/L					
Ethane		ND		U	1.3						
Ethene		ND		U	1.3						
Surrogate: Acety	vlene		78.5			"	66.5		118	66.4-153	
LCS (B2B0032-	BS1)										
Methane		47.7			1.3	2 ug/L	44.1		108	70-130	200
Ethane		93.9			1.3	2 "	83.2		113	77-137	200
Ethene		88			1.7	"	78.3		112	78-138	200
Surrogate: Acety	elene		79.2			"	72.0		110	66.4-153	
Matrix Spike (H	32B0032-MS1)			Source: 1202	2017-02						
Methane		43.2			1.3	2 ug/L	44.1	0.96	56 96	70-130	20
Ethane		84.7			1.3	2 "	83.2	N	D 102	70-130	20
Ethene		80.2			1.:	"	78.3	N	D 102	70-130	20
Surrogate: Acety	vlene		76.2			"	72.0		106	66.4-153	
Matrix Spike D	up (B2B0032-MSD1)	1		Source: 1202	2017-02						
Methane		45.5			1.3	2 ug/L	44.1	0.96	56 101	70-130	5 20
Ethane		89.4			1.3	2 "	83.2	N	D 10 7	70-130	5 20
Ethene		84			1.:	"	78.3	N	D 107	70-130	5 20
Surrogate: Acety	lene		77.4			"	72.0		107	66.4-153	

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Qualifiers and Comments

J The reported result for this analyte should be considered an estimated value.

C1 The reported concentration for this analyte is below the quantitation limit.

B1 The concentration of this analyte found in this sample was less than five times the concentration found in the associated method blank.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

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